



Technical Data Sheet



Gaskets with Eyelets

More blow-out safety

Standard and Special Flat Gaskets

Gaskets with eyelets are an optimal solution if mechanical or thermal requirements become more demanding on flat gaskets!

In the course of the years special machines and devices have been designed and built to create the perfect eyelets depending on the area of application.

With inner and/or outer eyelets we can produce sealing materials such as:

- graphite qualities
- fiber qualities
- PTFE qualities
- elastomer qualities
- plastics



Graphite gaskets with inner and outer eyelet



Each gasket shape can be equipped with an eyelet.



Graphite with copper eyelets

Eyelets - continuous or welded designs

Depending on the gasket size, the inner and outer eyelets can, according to customer request, be manufactured in continuous or welded designs.

Using a laser welding process, the ends of the eyelets are butt-welded. This technology guarantees a high-quality eyelet, whose strength can be compared with the one of an eyelet in continuous design. Furthermore, there is no overlap of the eyelet metal. This ensures a uniform surface pressure and sealing in the flange.

The eyelets are usually made of stainless steel 1.4571 or copper. However, at the request of the customer other metals can be used. The combination of sealing and eyelet materials is individually tailored according to customer specifications.

Tested quality



The laser welding process guarantees high-quality eyelet joints

With TA-Luft testing

At the customer 's request, we can test and certify all gaskets in our own laboratory in accordance with TA Luft.

Test bench for Gasket characteristics

To ensure the reproducible quality of our gaskets, we conduct among other things:

- crush tests,
- leakage tests,
- creep rupture tests,
- creep tests and
- relaxation experiments

General industrial and technical application.



Thicknesses Plies	
Thicknesses (mm)	Dimensions(mm)
1,0	1000 x 1000
1,5	1000 x 1000
2,0	1000 x 1000
3,0	1000 x 1000
Other dimensions on request.	

Properties	Values
Reinforced flexible graphite (%)	98
Density (g/cm ³)	1,02
Hardness (HV)	174
Carbon content (%)	98,60
Fluorine content (ppm)	10
Sulfur content (ppm)	660
Chloride content (ppm)	20
Ash content (%)	0,32
Compressibility (%)	43,10
Resilient rate (%)	10,60
Tensile strength (Mpa)	595
Temperature (°C)	-240 - +600
Chemical composition	
C (%)	0,021
Si (%)	0,658
Mn (%)	0,856
P (%)	0,025
S (%)	0,002
Ni (%)	10,040
Cr (%)	16,240
Mo (%)	2,050

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